

*Please amend the claims as follows.*

1. (Currently amended) A radio frequency radiation suppressor for a magnetron, comprising
  - a) an inner sleeve member made of an electrical insulating material polymer, and
  - b) an outer shell assembled to said inner sleeve member, said outer shell member being made of molded from a material that absorbs radio-frequency radiation.
2. (Cancelled)
3. (Currently amended) The radio frequency radiation suppressor of Claim 1 wherein the electrical insulating material is a machinable polymer the inner sleeve member comprises a recessed portion for receiving a metallic connector, said recessed portion being formed and dimensioned such that when the metallic connector is positioned in said recessed portion, the metallic connector it does not contact the outer shell.
4. (Currently amended) The radio frequency radiation suppressor of Claim 3 wherein the electrical insulating material polymer is polytetrafluoroethylene polymer.
5. (Original) The radio frequency radiation suppressor of Claim 1 wherein the radio-frequency radiation absorbing material is a composite material comprising a plurality of metal particles suspended in an resinous binder.
6. (Currently amended) The radio frequency radiation suppressor of Claim 2 3 wherein the inner sleeve comprises a tab member for holding the metallic connector in place.

7. (Original) The radio frequency radiation suppressor of Claim 6 wherein the inner sleeve comprises a second tab member spaced from said tab member.

8. (Original) The radio frequency radiation suppressor of Claim 7 wherein the inner sleeve further comprises a third tab member spaced from said tab member and said second tab member.

9. (Cancelled)

10. (Currently amended) The radio frequency radiation suppressor of Claim 1 further comprising an outer sleeve assembled to the exterior of the outer shell, said outer sleeve being formed of ~~an~~ said electrical insulating material polymer.

11. (Withdrawn)

12. (Withdrawn)

13. (Withdrawn)

14. (Withdrawn)

15. (Withdrawn)

16. (Original) A radio frequency radiation suppressor for a magnetron, comprising  
a) an inner sleeve member made of an electrical insulating polymer material;  
b) an outer shell assembled to said inner sleeve member, said outer shell member being made of a material that absorbs radio-frequency radiation; and

c) a metallic connector attached to the inner sleeve member for contacting the magnetron.

17. (Original) The radio frequency radiation suppressor of Claim 16 wherein said inner sleeve has a recess for receiving said metallic connector and is shaped such that said metallic connector does not contact said outer shell.

18. (Original) The radio frequency radiation suppressor of Claim 17 wherein the electrical insulating polymer material is polytetrafluoroethylene.

19. (Original) The radio frequency radiation suppressor of Claim 16 wherein the radio-frequency radiation absorbing material is a composite material comprising a plurality of metal particles suspended in an epoxy binder.

20. (Original) The radio frequency radiation suppressor of Claim 16 further comprising an outer sleeve assembled to the exterior of the outer shell, said outer sleeve being formed of the electrical insulating polymer material.

21. (New) The radio frequency radiation suppressor of Claim 1 wherein the outer shell is substantially coaxial with the inner sleeve member.

22. (New) The radio frequency radiation suppressor of Claim 16 wherein the outer shell is substantially coaxial with the inner sleeve member.